| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Package**

**javax.swing**

| Packages that use [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| [**java.awt.im.spi**](#3znysh7) | Provides interfaces that enable the development of input methods that can be used with any Java runtime environment. |
| [**javax.swing**](#2et92p0) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.border**](#3dy6vkm) | Provides classes and interface for drawing specialized borders around a Swing component. |
| [**javax.swing.colorchooser**](#1t3h5sf) | Contains classes and interfaces used by the JColorChooser component. |
| [**javax.swing.event**](#4d34og8) | Provides for events fired by Swing components. |
| [**javax.swing.filechooser**](#2s8eyo1) | Contains classes and interfaces used by the JFileChooser component. |
| [**javax.swing.plaf**](#17dp8vu) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#3rdcrjn) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#26in1rg) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.plaf.multi**](#lnxbz9) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.plaf.synth**](#35nkun2) | Synth is a skinnable look and feel in which all painting is delegated. |
| [**javax.swing.table**](#1ksv4uv) | Provides classes and interfaces for dealing with javax.swing.JTable. |
| [**javax.swing.text**](#44sinio) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#2jxsxqh) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.tree**](#z337ya) | Provides classes and interfaces for dealing with javax.swing.JTree. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [java.awt.im.spi](http://docs.google.com/java/awt/im/spi/package-summary.html) | |
| --- | --- |
| [**JFrame**](http://docs.google.com/javax/swing/class-use/JFrame.html#java.awt.im.spi)            An extended version of java.awt.Frame that adds support for the JFC/Swing component architecture. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| [**AbstractButton**](http://docs.google.com/javax/swing/class-use/AbstractButton.html#javax.swing)            Defines common behaviors for buttons and menu items. |
| [**AbstractButton.AccessibleAbstractButton**](http://docs.google.com/javax/swing/class-use/AbstractButton.AccessibleAbstractButton.html#javax.swing)            This class implements accessibility support for the AbstractButton class. |
| [**AbstractCellEditor**](http://docs.google.com/javax/swing/class-use/AbstractCellEditor.html#javax.swing) |
| [**AbstractListModel**](http://docs.google.com/javax/swing/class-use/AbstractListModel.html#javax.swing)            The abstract definition for the data model that provides a List with its contents. |
| [**AbstractSpinnerModel**](http://docs.google.com/javax/swing/class-use/AbstractSpinnerModel.html#javax.swing)            This class provides the ChangeListener part of the SpinnerModel interface that should be suitable for most concrete SpinnerModel implementations. |
| [**Action**](http://docs.google.com/javax/swing/class-use/Action.html#javax.swing)            The Action interface provides a useful extension to the ActionListener interface in cases where the same functionality may be accessed by several controls. |
| [**ActionMap**](http://docs.google.com/javax/swing/class-use/ActionMap.html#javax.swing)            ActionMap provides mappings from Objects (called *keys* or *Action names*) to Actions. |
| [**BoundedRangeModel**](http://docs.google.com/javax/swing/class-use/BoundedRangeModel.html#javax.swing)            Defines the data model used by components like Sliders and ProgressBars. |
| [**Box**](http://docs.google.com/javax/swing/class-use/Box.html#javax.swing)            A lightweight container that uses a BoxLayout object as its layout manager. |
| [**ButtonGroup**](http://docs.google.com/javax/swing/class-use/ButtonGroup.html#javax.swing)            This class is used to create a multiple-exclusion scope for a set of buttons. |
| [**ButtonModel**](http://docs.google.com/javax/swing/class-use/ButtonModel.html#javax.swing)            State model for buttons. |
| [**CellEditor**](http://docs.google.com/javax/swing/class-use/CellEditor.html#javax.swing)            This interface defines the methods any general editor should be able to implement. |
| [**ComboBoxEditor**](http://docs.google.com/javax/swing/class-use/ComboBoxEditor.html#javax.swing)            The editor component used for JComboBox components. |
| [**ComboBoxModel**](http://docs.google.com/javax/swing/class-use/ComboBoxModel.html#javax.swing)            A data model for a combo box. |
| [**ComponentInputMap**](http://docs.google.com/javax/swing/class-use/ComponentInputMap.html#javax.swing)            A ComponentInputMap is an InputMap associated with a particular JComponent. |
| [**DefaultButtonModel**](http://docs.google.com/javax/swing/class-use/DefaultButtonModel.html#javax.swing)            The default implementation of a Button component's data model. |
| [**DefaultCellEditor.EditorDelegate**](http://docs.google.com/javax/swing/class-use/DefaultCellEditor.EditorDelegate.html#javax.swing)            The protected EditorDelegate class. |
| [**DefaultListCellRenderer**](http://docs.google.com/javax/swing/class-use/DefaultListCellRenderer.html#javax.swing)            Renders an item in a list. |
| [**DefaultRowSorter.ModelWrapper**](http://docs.google.com/javax/swing/class-use/DefaultRowSorter.ModelWrapper.html#javax.swing)            DefaultRowSorter.ModelWrapper is responsible for providing the data that gets sorted by DefaultRowSorter. |
| [**DesktopManager**](http://docs.google.com/javax/swing/class-use/DesktopManager.html#javax.swing)            DesktopManager objects are owned by a JDesktopPane object. |
| [**DropMode**](http://docs.google.com/javax/swing/class-use/DropMode.html#javax.swing)            Drop modes, used to determine the method by which a component tracks and indicates a drop location during drag and drop. |
| [**FocusManager**](http://docs.google.com/javax/swing/class-use/FocusManager.html#javax.swing)            This class has been obsoleted by the 1.4 focus APIs. |
| [**GroupLayout.Alignment**](http://docs.google.com/javax/swing/class-use/GroupLayout.Alignment.html#javax.swing)            Enumeration of the possible ways ParallelGroup can align its children. |
| [**GroupLayout.Group**](http://docs.google.com/javax/swing/class-use/GroupLayout.Group.html#javax.swing)            Group provides the basis for the two types of operations supported by GroupLayout: laying out components one after another ([SequentialGroup](http://docs.google.com/javax/swing/GroupLayout.SequentialGroup.html)) or aligned ([ParallelGroup](http://docs.google.com/javax/swing/GroupLayout.ParallelGroup.html)). |
| [**GroupLayout.ParallelGroup**](http://docs.google.com/javax/swing/class-use/GroupLayout.ParallelGroup.html#javax.swing)            A Group that aligns and sizes it's children. |
| [**GroupLayout.SequentialGroup**](http://docs.google.com/javax/swing/class-use/GroupLayout.SequentialGroup.html#javax.swing)            A Group that positions and sizes its elements sequentially, one after another. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing)            A small fixed size picture, typically used to decorate components. |
| [**InputMap**](http://docs.google.com/javax/swing/class-use/InputMap.html#javax.swing)            InputMap provides a binding between an input event (currently only KeyStrokes are used) and an Object. |
| [**InputVerifier**](http://docs.google.com/javax/swing/class-use/InputVerifier.html#javax.swing)            The purpose of this class is to help clients support smooth focus navigation through GUIs with text fields. |
| [**InternalFrameFocusTraversalPolicy**](http://docs.google.com/javax/swing/class-use/InternalFrameFocusTraversalPolicy.html#javax.swing)            A FocusTraversalPolicy which can optionally provide an algorithm for determining a JInternalFrame's initial Component. |
| [**JButton**](http://docs.google.com/javax/swing/class-use/JButton.html#javax.swing)            An implementation of a "push" button. |
| [**JCheckBox**](http://docs.google.com/javax/swing/class-use/JCheckBox.html#javax.swing)            An implementation of a check box -- an item that can be selected or deselected, and which displays its state to the user. |
| [**JColorChooser**](http://docs.google.com/javax/swing/class-use/JColorChooser.html#javax.swing)            JColorChooser provides a pane of controls designed to allow a user to manipulate and select a color. |
| [**JComboBox**](http://docs.google.com/javax/swing/class-use/JComboBox.html#javax.swing)            A component that combines a button or editable field and a drop-down list. |
| [**JComboBox.KeySelectionManager**](http://docs.google.com/javax/swing/class-use/JComboBox.KeySelectionManager.html#javax.swing)            The interface that defines a KeySelectionManager. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing)            The base class for all Swing components except top-level containers. |
| [**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/class-use/JComponent.AccessibleJComponent.html#javax.swing)            Inner class of JComponent used to provide default support for accessibility. |
| [**JDesktopPane**](http://docs.google.com/javax/swing/class-use/JDesktopPane.html#javax.swing)            A container used to create a multiple-document interface or a virtual desktop. |
| [**JDialog**](http://docs.google.com/javax/swing/class-use/JDialog.html#javax.swing)            The main class for creating a dialog window. |
| [**JEditorPane**](http://docs.google.com/javax/swing/class-use/JEditorPane.html#javax.swing)            A text component to edit various kinds of content. |
| [**JEditorPane.AccessibleJEditorPane**](http://docs.google.com/javax/swing/class-use/JEditorPane.AccessibleJEditorPane.html#javax.swing)            This class implements accessibility support for the JEditorPane class. |
| [**JFormattedTextField**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.html#javax.swing)            JFormattedTextField extends JTextField adding support for formatting arbitrary values, as well as retrieving a particular object once the user has edited the text. |
| [**JFormattedTextField.AbstractFormatter**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.AbstractFormatter.html#javax.swing)            Instances of AbstractFormatter are used by JFormattedTextField to handle the conversion both from an Object to a String, and back from a String to an Object. |
| [**JFormattedTextField.AbstractFormatterFactory**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.AbstractFormatterFactory.html#javax.swing)            Instances of AbstractFormatterFactory are used by JFormattedTextField to obtain instances of AbstractFormatter which in turn are used to format values. |
| [**JInternalFrame**](http://docs.google.com/javax/swing/class-use/JInternalFrame.html#javax.swing)            A lightweight object that provides many of the features of a native frame, including dragging, closing, becoming an icon, resizing, title display, and support for a menu bar. |
| [**JInternalFrame.JDesktopIcon**](http://docs.google.com/javax/swing/class-use/JInternalFrame.JDesktopIcon.html#javax.swing)            This component represents an iconified version of a JInternalFrame. |
| [**JLabel**](http://docs.google.com/javax/swing/class-use/JLabel.html#javax.swing)            A display area for a short text string or an image, or both. |
| [**JLayeredPane**](http://docs.google.com/javax/swing/class-use/JLayeredPane.html#javax.swing)            JLayeredPane adds depth to a JFC/Swing container, allowing components to overlap each other when needed. |
| [**JList**](http://docs.google.com/javax/swing/class-use/JList.html#javax.swing)            A component that displays a list of objects and allows the user to select one or more items. |
| [**JList.DropLocation**](http://docs.google.com/javax/swing/class-use/JList.DropLocation.html#javax.swing)            A subclass of TransferHandler.DropLocation representing a drop location for a JList. |
| [**JMenu**](http://docs.google.com/javax/swing/class-use/JMenu.html#javax.swing)            An implementation of a menu -- a popup window containing JMenuItems that is displayed when the user selects an item on the JMenuBar. |
| [**JMenu.WinListener**](http://docs.google.com/javax/swing/class-use/JMenu.WinListener.html#javax.swing)            A listener class that watches for a popup window closing. |
| [**JMenuBar**](http://docs.google.com/javax/swing/class-use/JMenuBar.html#javax.swing)            An implementation of a menu bar. |
| [**JMenuItem**](http://docs.google.com/javax/swing/class-use/JMenuItem.html#javax.swing)            An implementation of an item in a menu. |
| [**JMenuItem.AccessibleJMenuItem**](http://docs.google.com/javax/swing/class-use/JMenuItem.AccessibleJMenuItem.html#javax.swing)            This class implements accessibility support for the JMenuItem class. |
| [**JPanel**](http://docs.google.com/javax/swing/class-use/JPanel.html#javax.swing)            JPanel is a generic lightweight container. |
| [**JPopupMenu**](http://docs.google.com/javax/swing/class-use/JPopupMenu.html#javax.swing)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| [**JRootPane**](http://docs.google.com/javax/swing/class-use/JRootPane.html#javax.swing)            A lightweight container used behind the scenes by JFrame, JDialog, JWindow, JApplet, and JInternalFrame. |
| [**JScrollBar**](http://docs.google.com/javax/swing/class-use/JScrollBar.html#javax.swing)            An implementation of a scrollbar. |
| [**JScrollPane**](http://docs.google.com/javax/swing/class-use/JScrollPane.html#javax.swing)            Provides a scrollable view of a lightweight component. |
| [**JSeparator**](http://docs.google.com/javax/swing/class-use/JSeparator.html#javax.swing)            JSeparator provides a general purpose component for implementing divider lines - most commonly used as a divider between menu items that breaks them up into logical groupings. |
| [**JSpinner**](http://docs.google.com/javax/swing/class-use/JSpinner.html#javax.swing)            A single line input field that lets the user select a number or an object value from an ordered sequence. |
| [**JSpinner.DefaultEditor**](http://docs.google.com/javax/swing/class-use/JSpinner.DefaultEditor.html#javax.swing)            A simple base class for more specialized editors that displays a read-only view of the model's current value with a JFormattedTextField. |
| [**JTable**](http://docs.google.com/javax/swing/class-use/JTable.html#javax.swing)            The JTable is used to display and edit regular two-dimensional tables of cells. |
| [**JTable.DropLocation**](http://docs.google.com/javax/swing/class-use/JTable.DropLocation.html#javax.swing)            A subclass of TransferHandler.DropLocation representing a drop location for a JTable. |
| [**JTable.PrintMode**](http://docs.google.com/javax/swing/class-use/JTable.PrintMode.html#javax.swing)            Printing modes, used in printing JTables. |
| [**JTextField**](http://docs.google.com/javax/swing/class-use/JTextField.html#javax.swing)            JTextField is a lightweight component that allows the editing of a single line of text. |
| [**JTextField.AccessibleJTextField**](http://docs.google.com/javax/swing/class-use/JTextField.AccessibleJTextField.html#javax.swing)            This class implements accessibility support for the JTextField class. |
| [**JToggleButton**](http://docs.google.com/javax/swing/class-use/JToggleButton.html#javax.swing)            An implementation of a two-state button. |
| [**JToggleButton.AccessibleJToggleButton**](http://docs.google.com/javax/swing/class-use/JToggleButton.AccessibleJToggleButton.html#javax.swing)            This class implements accessibility support for the JToggleButton class. |
| [**JToolTip**](http://docs.google.com/javax/swing/class-use/JToolTip.html#javax.swing)            Used to display a "Tip" for a Component. |
| [**JTree**](http://docs.google.com/javax/swing/class-use/JTree.html#javax.swing)  A control that displays a set of hierarchical data as an outline. |
| [**JTree.DropLocation**](http://docs.google.com/javax/swing/class-use/JTree.DropLocation.html#javax.swing)            A subclass of TransferHandler.DropLocation representing a drop location for a JTree. |
| [**JTree.EmptySelectionModel**](http://docs.google.com/javax/swing/class-use/JTree.EmptySelectionModel.html#javax.swing)            EmptySelectionModel is a TreeSelectionModel that does not allow anything to be selected. |
| [**JTree.TreeSelectionRedirector**](http://docs.google.com/javax/swing/class-use/JTree.TreeSelectionRedirector.html#javax.swing)            Handles creating a new TreeSelectionEvent with the JTree as the source and passing it off to all the listeners. |
| [**JViewport**](http://docs.google.com/javax/swing/class-use/JViewport.html#javax.swing)            The "viewport" or "porthole" through which you see the underlying information. |
| [**JViewport.ViewListener**](http://docs.google.com/javax/swing/class-use/JViewport.ViewListener.html#javax.swing)            A listener for the view. |
| [**KeyStroke**](http://docs.google.com/javax/swing/class-use/KeyStroke.html#javax.swing)            A KeyStroke represents a key action on the keyboard, or equivalent input device. |
| [**LayoutStyle**](http://docs.google.com/javax/swing/class-use/LayoutStyle.html#javax.swing)            LayoutStyle provides information about how to position components. |
| [**LayoutStyle.ComponentPlacement**](http://docs.google.com/javax/swing/class-use/LayoutStyle.ComponentPlacement.html#javax.swing)            ComponentPlacement is an enumeration of the possible ways two components can be placed relative to each other. |
| [**ListCellRenderer**](http://docs.google.com/javax/swing/class-use/ListCellRenderer.html#javax.swing)            Identifies components that can be used as "rubber stamps" to paint the cells in a JList. |
| [**ListModel**](http://docs.google.com/javax/swing/class-use/ListModel.html#javax.swing)            This interface defines the methods components like JList use to get the value of each cell in a list and the length of the list. |
| [**ListSelectionModel**](http://docs.google.com/javax/swing/class-use/ListSelectionModel.html#javax.swing)            This interface represents the current state of the selection for any of the components that display a list of values with stable indices. |
| [**LookAndFeel**](http://docs.google.com/javax/swing/class-use/LookAndFeel.html#javax.swing)            LookAndFeel, as the name implies, encapsulates a look and feel. |
| [**MenuElement**](http://docs.google.com/javax/swing/class-use/MenuElement.html#javax.swing)            Any component that can be placed into a menu should implement this interface. |
| [**MenuSelectionManager**](http://docs.google.com/javax/swing/class-use/MenuSelectionManager.html#javax.swing)            A MenuSelectionManager owns the selection in menu hierarchy. |
| [**MutableComboBoxModel**](http://docs.google.com/javax/swing/class-use/MutableComboBoxModel.html#javax.swing)            A mutable version of ComboBoxModel. |
| [**Popup**](http://docs.google.com/javax/swing/class-use/Popup.html#javax.swing)            Popups are used to display a Component to the user, typically on top of all the other Components in a particular containment hierarchy. |
| [**PopupFactory**](http://docs.google.com/javax/swing/class-use/PopupFactory.html#javax.swing)            PopupFactory, as the name implies, is used to obtain instances of Popups. |
| [**ProgressMonitor**](http://docs.google.com/javax/swing/class-use/ProgressMonitor.html#javax.swing)            A class to monitor the progress of some operation. |
| [**RepaintManager**](http://docs.google.com/javax/swing/class-use/RepaintManager.html#javax.swing)            This class manages repaint requests, allowing the number of repaints to be minimized, for example by collapsing multiple requests into a single repaint for members of a component tree. |
| [**RootPaneContainer**](http://docs.google.com/javax/swing/class-use/RootPaneContainer.html#javax.swing)            This interface is implemented by components that have a single JRootPane child: JDialog, JFrame, JWindow, JApplet, JInternalFrame. |
| [**RowFilter**](http://docs.google.com/javax/swing/class-use/RowFilter.html#javax.swing)            RowFilter is used to filter out entries from the model so that they are not shown in the view. |
| [**RowFilter.ComparisonType**](http://docs.google.com/javax/swing/class-use/RowFilter.ComparisonType.html#javax.swing)            Enumeration of the possible comparison values supported by some of the default RowFilters. |
| [**RowFilter.Entry**](http://docs.google.com/javax/swing/class-use/RowFilter.Entry.html#javax.swing)            An Entry object is passed to instances of RowFilter, allowing the filter to get the value of the entry's data, and thus to determine whether the entry should be shown. |
| [**RowSorter**](http://docs.google.com/javax/swing/class-use/RowSorter.html#javax.swing)            RowSorter provides the basis for sorting and filtering. |
| [**RowSorter.SortKey**](http://docs.google.com/javax/swing/class-use/RowSorter.SortKey.html#javax.swing)            SortKey describes the sort order for a particular column. |
| [**Scrollable**](http://docs.google.com/javax/swing/class-use/Scrollable.html#javax.swing)            An interface that provides information to a scrolling container like JScrollPane. |
| [**ScrollPaneConstants**](http://docs.google.com/javax/swing/class-use/ScrollPaneConstants.html#javax.swing)            Constants used with the JScrollPane component. |
| [**ScrollPaneLayout**](http://docs.google.com/javax/swing/class-use/ScrollPaneLayout.html#javax.swing)            The layout manager used by JScrollPane. |
| [**SingleSelectionModel**](http://docs.google.com/javax/swing/class-use/SingleSelectionModel.html#javax.swing)            A model that supports at most one indexed selection. |
| [**SizeRequirements**](http://docs.google.com/javax/swing/class-use/SizeRequirements.html#javax.swing)            For the convenience of layout managers, calculates information about the size and position of components. |
| [**SortingFocusTraversalPolicy**](http://docs.google.com/javax/swing/class-use/SortingFocusTraversalPolicy.html#javax.swing)            A FocusTraversalPolicy that determines traversal order by sorting the Components of a focus traversal cycle based on a given Comparator. |
| [**SortOrder**](http://docs.google.com/javax/swing/class-use/SortOrder.html#javax.swing)            SortOrder is an enumeration of the possible sort orderings. |
| [**SpinnerDateModel**](http://docs.google.com/javax/swing/class-use/SpinnerDateModel.html#javax.swing)            A SpinnerModel for sequences of Dates. |
| [**SpinnerListModel**](http://docs.google.com/javax/swing/class-use/SpinnerListModel.html#javax.swing)            A simple implementation of SpinnerModel whose values are defined by an array or a List. |
| [**SpinnerModel**](http://docs.google.com/javax/swing/class-use/SpinnerModel.html#javax.swing)            A model for a potentially unbounded sequence of object values. |
| [**SpinnerNumberModel**](http://docs.google.com/javax/swing/class-use/SpinnerNumberModel.html#javax.swing)            A SpinnerModel for sequences of numbers. |
| [**Spring**](http://docs.google.com/javax/swing/class-use/Spring.html#javax.swing)            An instance of the Spring class holds three properties that characterize its behavior: the *minimum*, *preferred*, and *maximum* values. |
| [**SpringLayout.Constraints**](http://docs.google.com/javax/swing/class-use/SpringLayout.Constraints.html#javax.swing)            A Constraints object holds the constraints that govern the way a component's size and position change in a container controlled by a SpringLayout. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing)            A collection of constants generally used for positioning and orienting components on the screen. |
| [**SwingWorker.StateValue**](http://docs.google.com/javax/swing/class-use/SwingWorker.StateValue.html#javax.swing)            Values for the state bound property. |
| [**ToolTipManager**](http://docs.google.com/javax/swing/class-use/ToolTipManager.html#javax.swing)            Manages all the ToolTips in the system. |
| [**TransferHandler**](http://docs.google.com/javax/swing/class-use/TransferHandler.html#javax.swing)            This class is used to handle the transfer of a Transferable to and from Swing components. |
| [**TransferHandler.DropLocation**](http://docs.google.com/javax/swing/class-use/TransferHandler.DropLocation.html#javax.swing)            Represents a location where dropped data should be inserted. |
| [**TransferHandler.TransferSupport**](http://docs.google.com/javax/swing/class-use/TransferHandler.TransferSupport.html#javax.swing)            This class encapsulates all relevant details of a clipboard or drag and drop transfer, and also allows for customizing aspects of the drag and drop experience. |
| [**UIDefaults**](http://docs.google.com/javax/swing/class-use/UIDefaults.html#javax.swing)            A table of defaults for Swing components. |
| [**UIDefaults.LazyValue**](http://docs.google.com/javax/swing/class-use/UIDefaults.LazyValue.html#javax.swing)            This class enables one to store an entry in the defaults table that isn't constructed until the first time it's looked up with one of the getXXX(key) methods. |
| [**UIManager.LookAndFeelInfo**](http://docs.google.com/javax/swing/class-use/UIManager.LookAndFeelInfo.html#javax.swing)            Provides a little information about an installed LookAndFeel for the sake of configuring a menu or for initial application set up. |
| [**UnsupportedLookAndFeelException**](http://docs.google.com/javax/swing/class-use/UnsupportedLookAndFeelException.html#javax.swing)            An exception that indicates the requested look & feel management classes are not present on the user's system. |
| [**WindowConstants**](http://docs.google.com/javax/swing/class-use/WindowConstants.html#javax.swing)            Constants used to control the window-closing operation. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.border](http://docs.google.com/javax/swing/border/package-summary.html) | |
| --- | --- |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.border)            A small fixed size picture, typically used to decorate components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.colorchooser](http://docs.google.com/javax/swing/colorchooser/package-summary.html) | |
| --- | --- |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.colorchooser)            A small fixed size picture, typically used to decorate components. |
| [**JColorChooser**](http://docs.google.com/javax/swing/class-use/JColorChooser.html#javax.swing.colorchooser)            JColorChooser provides a pane of controls designed to allow a user to manipulate and select a color. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.colorchooser)            The base class for all Swing components except top-level containers. |
| [**JPanel**](http://docs.google.com/javax/swing/class-use/JPanel.html#javax.swing.colorchooser)            JPanel is a generic lightweight container. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
| --- | --- |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.event)            The base class for all Swing components except top-level containers. |
| [**JInternalFrame**](http://docs.google.com/javax/swing/class-use/JInternalFrame.html#javax.swing.event)            A lightweight object that provides many of the features of a native frame, including dragging, closing, becoming an icon, resizing, title display, and support for a menu bar. |
| [**MenuElement**](http://docs.google.com/javax/swing/class-use/MenuElement.html#javax.swing.event)            Any component that can be placed into a menu should implement this interface. |
| [**MenuSelectionManager**](http://docs.google.com/javax/swing/class-use/MenuSelectionManager.html#javax.swing.event)            A MenuSelectionManager owns the selection in menu hierarchy. |
| [**RowSorter**](http://docs.google.com/javax/swing/class-use/RowSorter.html#javax.swing.event)            RowSorter provides the basis for sorting and filtering. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.filechooser](http://docs.google.com/javax/swing/filechooser/package-summary.html) | |
| --- | --- |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.filechooser)            A small fixed size picture, typically used to decorate components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) | |
| --- | --- |
| [**ActionMap**](http://docs.google.com/javax/swing/class-use/ActionMap.html#javax.swing.plaf)            ActionMap provides mappings from Objects (called *keys* or *Action names*) to Actions. |
| [**ComponentInputMap**](http://docs.google.com/javax/swing/class-use/ComponentInputMap.html#javax.swing.plaf)            A ComponentInputMap is an InputMap associated with a particular JComponent. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.plaf)            A small fixed size picture, typically used to decorate components. |
| [**InputMap**](http://docs.google.com/javax/swing/class-use/InputMap.html#javax.swing.plaf)            InputMap provides a binding between an input event (currently only KeyStrokes are used) and an Object. |
| [**JComboBox**](http://docs.google.com/javax/swing/class-use/JComboBox.html#javax.swing.plaf)            A component that combines a button or editable field and a drop-down list. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.plaf)            The base class for all Swing components except top-level containers. |
| [**JFileChooser**](http://docs.google.com/javax/swing/class-use/JFileChooser.html#javax.swing.plaf)            JFileChooser provides a simple mechanism for the user to choose a file. |
| [**JList**](http://docs.google.com/javax/swing/class-use/JList.html#javax.swing.plaf)            A component that displays a list of objects and allows the user to select one or more items. |
| [**JOptionPane**](http://docs.google.com/javax/swing/class-use/JOptionPane.html#javax.swing.plaf)            JOptionPane makes it easy to pop up a standard dialog box that prompts users for a value or informs them of something. |
| [**JPopupMenu**](http://docs.google.com/javax/swing/class-use/JPopupMenu.html#javax.swing.plaf)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| [**JSplitPane**](http://docs.google.com/javax/swing/class-use/JSplitPane.html#javax.swing.plaf)            JSplitPane is used to divide two (and only two) Components. |
| [**JTabbedPane**](http://docs.google.com/javax/swing/class-use/JTabbedPane.html#javax.swing.plaf)            A component that lets the user switch between a group of components by clicking on a tab with a given title and/or icon. |
| [**JTree**](http://docs.google.com/javax/swing/class-use/JTree.html#javax.swing.plaf)             A control that displays a set of hierarchical data as an outline. |
| [**Popup**](http://docs.google.com/javax/swing/class-use/Popup.html#javax.swing.plaf)            Popups are used to display a Component to the user, typically on top of all the other Components in a particular containment hierarchy. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |
| [**AbstractAction**](http://docs.google.com/javax/swing/class-use/AbstractAction.html#javax.swing.plaf.basic)            This class provides default implementations for the JFC Action interface. |
| [**AbstractButton**](http://docs.google.com/javax/swing/class-use/AbstractButton.html#javax.swing.plaf.basic)            Defines common behaviors for buttons and menu items. |
| [**AbstractListModel**](http://docs.google.com/javax/swing/class-use/AbstractListModel.html#javax.swing.plaf.basic)            The abstract definition for the data model that provides a List with its contents. |
| [**Action**](http://docs.google.com/javax/swing/class-use/Action.html#javax.swing.plaf.basic)            The Action interface provides a useful extension to the ActionListener interface in cases where the same functionality may be accessed by several controls. |
| [**ActionMap**](http://docs.google.com/javax/swing/class-use/ActionMap.html#javax.swing.plaf.basic)            ActionMap provides mappings from Objects (called *keys* or *Action names*) to Actions. |
| [**BoxLayout**](http://docs.google.com/javax/swing/class-use/BoxLayout.html#javax.swing.plaf.basic)            A layout manager that allows multiple components to be laid out either vertically or horizontally. |
| [**CellRendererPane**](http://docs.google.com/javax/swing/class-use/CellRendererPane.html#javax.swing.plaf.basic)            This class is inserted in between cell renderers and the components that use them. |
| [**ComboBoxEditor**](http://docs.google.com/javax/swing/class-use/ComboBoxEditor.html#javax.swing.plaf.basic)            The editor component used for JComboBox components. |
| [**ComboBoxModel**](http://docs.google.com/javax/swing/class-use/ComboBoxModel.html#javax.swing.plaf.basic)            A data model for a combo box. |
| [**DesktopManager**](http://docs.google.com/javax/swing/class-use/DesktopManager.html#javax.swing.plaf.basic)            DesktopManager objects are owned by a JDesktopPane object. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.plaf.basic)            A small fixed size picture, typically used to decorate components. |
| [**JButton**](http://docs.google.com/javax/swing/class-use/JButton.html#javax.swing.plaf.basic)            An implementation of a "push" button. |
| [**JColorChooser**](http://docs.google.com/javax/swing/class-use/JColorChooser.html#javax.swing.plaf.basic)            JColorChooser provides a pane of controls designed to allow a user to manipulate and select a color. |
| [**JComboBox**](http://docs.google.com/javax/swing/class-use/JComboBox.html#javax.swing.plaf.basic)            A component that combines a button or editable field and a drop-down list. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.plaf.basic)            The base class for all Swing components except top-level containers. |
| [**JDesktopPane**](http://docs.google.com/javax/swing/class-use/JDesktopPane.html#javax.swing.plaf.basic)            A container used to create a multiple-document interface or a virtual desktop. |
| [**JFileChooser**](http://docs.google.com/javax/swing/class-use/JFileChooser.html#javax.swing.plaf.basic)            JFileChooser provides a simple mechanism for the user to choose a file. |
| [**JFrame**](http://docs.google.com/javax/swing/class-use/JFrame.html#javax.swing.plaf.basic)            An extended version of java.awt.Frame that adds support for the JFC/Swing component architecture. |
| [**JInternalFrame**](http://docs.google.com/javax/swing/class-use/JInternalFrame.html#javax.swing.plaf.basic)            A lightweight object that provides many of the features of a native frame, including dragging, closing, becoming an icon, resizing, title display, and support for a menu bar. |
| [**JInternalFrame.JDesktopIcon**](http://docs.google.com/javax/swing/class-use/JInternalFrame.JDesktopIcon.html#javax.swing.plaf.basic)            This component represents an iconified version of a JInternalFrame. |
| [**JLabel**](http://docs.google.com/javax/swing/class-use/JLabel.html#javax.swing.plaf.basic)            A display area for a short text string or an image, or both. |
| [**JList**](http://docs.google.com/javax/swing/class-use/JList.html#javax.swing.plaf.basic)            A component that displays a list of objects and allows the user to select one or more items. |
| [**JMenu**](http://docs.google.com/javax/swing/class-use/JMenu.html#javax.swing.plaf.basic)            An implementation of a menu -- a popup window containing JMenuItems that is displayed when the user selects an item on the JMenuBar. |
| [**JMenuBar**](http://docs.google.com/javax/swing/class-use/JMenuBar.html#javax.swing.plaf.basic)            An implementation of a menu bar. |
| [**JMenuItem**](http://docs.google.com/javax/swing/class-use/JMenuItem.html#javax.swing.plaf.basic)            An implementation of an item in a menu. |
| [**JOptionPane**](http://docs.google.com/javax/swing/class-use/JOptionPane.html#javax.swing.plaf.basic)            JOptionPane makes it easy to pop up a standard dialog box that prompts users for a value or informs them of something. |
| [**JPanel**](http://docs.google.com/javax/swing/class-use/JPanel.html#javax.swing.plaf.basic)            JPanel is a generic lightweight container. |
| [**JPopupMenu**](http://docs.google.com/javax/swing/class-use/JPopupMenu.html#javax.swing.plaf.basic)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| [**JProgressBar**](http://docs.google.com/javax/swing/class-use/JProgressBar.html#javax.swing.plaf.basic)            A component that visually displays the progress of some task. |
| [**JRootPane**](http://docs.google.com/javax/swing/class-use/JRootPane.html#javax.swing.plaf.basic)            A lightweight container used behind the scenes by JFrame, JDialog, JWindow, JApplet, and JInternalFrame. |
| [**JScrollBar**](http://docs.google.com/javax/swing/class-use/JScrollBar.html#javax.swing.plaf.basic)            An implementation of a scrollbar. |
| [**JScrollPane**](http://docs.google.com/javax/swing/class-use/JScrollPane.html#javax.swing.plaf.basic)            Provides a scrollable view of a lightweight component. |
| [**JSeparator**](http://docs.google.com/javax/swing/class-use/JSeparator.html#javax.swing.plaf.basic)            JSeparator provides a general purpose component for implementing divider lines - most commonly used as a divider between menu items that breaks them up into logical groupings. |
| [**JSlider**](http://docs.google.com/javax/swing/class-use/JSlider.html#javax.swing.plaf.basic)            A component that lets the user graphically select a value by sliding a knob within a bounded interval. |
| [**JSpinner**](http://docs.google.com/javax/swing/class-use/JSpinner.html#javax.swing.plaf.basic)            A single line input field that lets the user select a number or an object value from an ordered sequence. |
| [**JSplitPane**](http://docs.google.com/javax/swing/class-use/JSplitPane.html#javax.swing.plaf.basic)            JSplitPane is used to divide two (and only two) Components. |
| [**JTabbedPane**](http://docs.google.com/javax/swing/class-use/JTabbedPane.html#javax.swing.plaf.basic)            A component that lets the user switch between a group of components by clicking on a tab with a given title and/or icon. |
| [**JTable**](http://docs.google.com/javax/swing/class-use/JTable.html#javax.swing.plaf.basic)            The JTable is used to display and edit regular two-dimensional tables of cells. |
| [**JTextField**](http://docs.google.com/javax/swing/class-use/JTextField.html#javax.swing.plaf.basic)            JTextField is a lightweight component that allows the editing of a single line of text. |
| [**JToolBar**](http://docs.google.com/javax/swing/class-use/JToolBar.html#javax.swing.plaf.basic)            JToolBar provides a component that is useful for displaying commonly used Actions or controls. |
| [**JTree**](http://docs.google.com/javax/swing/class-use/JTree.html#javax.swing.plaf.basic)             A control that displays a set of hierarchical data as an outline. |
| [**KeyStroke**](http://docs.google.com/javax/swing/class-use/KeyStroke.html#javax.swing.plaf.basic)            A KeyStroke represents a key action on the keyboard, or equivalent input device. |
| [**ListCellRenderer**](http://docs.google.com/javax/swing/class-use/ListCellRenderer.html#javax.swing.plaf.basic)            Identifies components that can be used as "rubber stamps" to paint the cells in a JList. |
| [**ListModel**](http://docs.google.com/javax/swing/class-use/ListModel.html#javax.swing.plaf.basic)            This interface defines the methods components like JList use to get the value of each cell in a list and the length of the list. |
| [**ListSelectionModel**](http://docs.google.com/javax/swing/class-use/ListSelectionModel.html#javax.swing.plaf.basic)            This interface represents the current state of the selection for any of the components that display a list of values with stable indices. |
| [**LookAndFeel**](http://docs.google.com/javax/swing/class-use/LookAndFeel.html#javax.swing.plaf.basic)            LookAndFeel, as the name implies, encapsulates a look and feel. |
| [**MenuElement**](http://docs.google.com/javax/swing/class-use/MenuElement.html#javax.swing.plaf.basic)            Any component that can be placed into a menu should implement this interface. |
| [**MenuSelectionManager**](http://docs.google.com/javax/swing/class-use/MenuSelectionManager.html#javax.swing.plaf.basic)            A MenuSelectionManager owns the selection in menu hierarchy. |
| [**RootPaneContainer**](http://docs.google.com/javax/swing/class-use/RootPaneContainer.html#javax.swing.plaf.basic)            This interface is implemented by components that have a single JRootPane child: JDialog, JFrame, JWindow, JApplet, JInternalFrame. |
| [**ScrollPaneConstants**](http://docs.google.com/javax/swing/class-use/ScrollPaneConstants.html#javax.swing.plaf.basic)            Constants used with the JScrollPane component. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.plaf.basic)            A collection of constants generally used for positioning and orienting components on the screen. |
| [**Timer**](http://docs.google.com/javax/swing/class-use/Timer.html#javax.swing.plaf.basic)            Fires one or more ActionEvents at specified intervals. |
| [**UIDefaults**](http://docs.google.com/javax/swing/class-use/UIDefaults.html#javax.swing.plaf.basic)            A table of defaults for Swing components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
| --- | --- |
| [**AbstractAction**](http://docs.google.com/javax/swing/class-use/AbstractAction.html#javax.swing.plaf.metal)            This class provides default implementations for the JFC Action interface. |
| [**AbstractButton**](http://docs.google.com/javax/swing/class-use/AbstractButton.html#javax.swing.plaf.metal)            Defines common behaviors for buttons and menu items. |
| [**AbstractListModel**](http://docs.google.com/javax/swing/class-use/AbstractListModel.html#javax.swing.plaf.metal)            The abstract definition for the data model that provides a List with its contents. |
| [**Action**](http://docs.google.com/javax/swing/class-use/Action.html#javax.swing.plaf.metal)            The Action interface provides a useful extension to the ActionListener interface in cases where the same functionality may be accessed by several controls. |
| [**ActionMap**](http://docs.google.com/javax/swing/class-use/ActionMap.html#javax.swing.plaf.metal)            ActionMap provides mappings from Objects (called *keys* or *Action names*) to Actions. |
| [**CellRendererPane**](http://docs.google.com/javax/swing/class-use/CellRendererPane.html#javax.swing.plaf.metal)            This class is inserted in between cell renderers and the components that use them. |
| [**ComboBoxEditor**](http://docs.google.com/javax/swing/class-use/ComboBoxEditor.html#javax.swing.plaf.metal)            The editor component used for JComboBox components. |
| [**ComboBoxModel**](http://docs.google.com/javax/swing/class-use/ComboBoxModel.html#javax.swing.plaf.metal)            A data model for a combo box. |
| [**DefaultListCellRenderer**](http://docs.google.com/javax/swing/class-use/DefaultListCellRenderer.html#javax.swing.plaf.metal)            Renders an item in a list. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.plaf.metal)            A small fixed size picture, typically used to decorate components. |
| [**JButton**](http://docs.google.com/javax/swing/class-use/JButton.html#javax.swing.plaf.metal)            An implementation of a "push" button. |
| [**JComboBox**](http://docs.google.com/javax/swing/class-use/JComboBox.html#javax.swing.plaf.metal)            A component that combines a button or editable field and a drop-down list. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.plaf.metal)            The base class for all Swing components except top-level containers. |
| [**JFileChooser**](http://docs.google.com/javax/swing/class-use/JFileChooser.html#javax.swing.plaf.metal)            JFileChooser provides a simple mechanism for the user to choose a file. |
| [**JInternalFrame**](http://docs.google.com/javax/swing/class-use/JInternalFrame.html#javax.swing.plaf.metal)            A lightweight object that provides many of the features of a native frame, including dragging, closing, becoming an icon, resizing, title display, and support for a menu bar. |
| [**JLabel**](http://docs.google.com/javax/swing/class-use/JLabel.html#javax.swing.plaf.metal)            A display area for a short text string or an image, or both. |
| [**JList**](http://docs.google.com/javax/swing/class-use/JList.html#javax.swing.plaf.metal)            A component that displays a list of objects and allows the user to select one or more items. |
| [**JMenu**](http://docs.google.com/javax/swing/class-use/JMenu.html#javax.swing.plaf.metal)            An implementation of a menu -- a popup window containing JMenuItems that is displayed when the user selects an item on the JMenuBar. |
| [**JPanel**](http://docs.google.com/javax/swing/class-use/JPanel.html#javax.swing.plaf.metal)            JPanel is a generic lightweight container. |
| [**JPopupMenu**](http://docs.google.com/javax/swing/class-use/JPopupMenu.html#javax.swing.plaf.metal)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| [**JScrollPane**](http://docs.google.com/javax/swing/class-use/JScrollPane.html#javax.swing.plaf.metal)            Provides a scrollable view of a lightweight component. |
| [**JSeparator**](http://docs.google.com/javax/swing/class-use/JSeparator.html#javax.swing.plaf.metal)            JSeparator provides a general purpose component for implementing divider lines - most commonly used as a divider between menu items that breaks them up into logical groupings. |
| [**JSlider**](http://docs.google.com/javax/swing/class-use/JSlider.html#javax.swing.plaf.metal)            A component that lets the user graphically select a value by sliding a knob within a bounded interval. |
| [**JToolBar**](http://docs.google.com/javax/swing/class-use/JToolBar.html#javax.swing.plaf.metal)            JToolBar provides a component that is useful for displaying commonly used Actions or controls. |
| [**LayoutStyle**](http://docs.google.com/javax/swing/class-use/LayoutStyle.html#javax.swing.plaf.metal)            LayoutStyle provides information about how to position components. |
| [**ListCellRenderer**](http://docs.google.com/javax/swing/class-use/ListCellRenderer.html#javax.swing.plaf.metal)            Identifies components that can be used as "rubber stamps" to paint the cells in a JList. |
| [**ListModel**](http://docs.google.com/javax/swing/class-use/ListModel.html#javax.swing.plaf.metal)            This interface defines the methods components like JList use to get the value of each cell in a list and the length of the list. |
| [**LookAndFeel**](http://docs.google.com/javax/swing/class-use/LookAndFeel.html#javax.swing.plaf.metal)            LookAndFeel, as the name implies, encapsulates a look and feel. |
| [**MenuElement**](http://docs.google.com/javax/swing/class-use/MenuElement.html#javax.swing.plaf.metal)            Any component that can be placed into a menu should implement this interface. |
| [**ScrollPaneConstants**](http://docs.google.com/javax/swing/class-use/ScrollPaneConstants.html#javax.swing.plaf.metal)            Constants used with the JScrollPane component. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.plaf.metal)            A collection of constants generally used for positioning and orienting components on the screen. |
| [**UIDefaults**](http://docs.google.com/javax/swing/class-use/UIDefaults.html#javax.swing.plaf.metal)            A table of defaults for Swing components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
| --- | --- |
| [**JComboBox**](http://docs.google.com/javax/swing/class-use/JComboBox.html#javax.swing.plaf.multi)            A component that combines a button or editable field and a drop-down list. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.plaf.multi)            The base class for all Swing components except top-level containers. |
| [**JFileChooser**](http://docs.google.com/javax/swing/class-use/JFileChooser.html#javax.swing.plaf.multi)            JFileChooser provides a simple mechanism for the user to choose a file. |
| [**JList**](http://docs.google.com/javax/swing/class-use/JList.html#javax.swing.plaf.multi)            A component that displays a list of objects and allows the user to select one or more items. |
| [**JOptionPane**](http://docs.google.com/javax/swing/class-use/JOptionPane.html#javax.swing.plaf.multi)            JOptionPane makes it easy to pop up a standard dialog box that prompts users for a value or informs them of something. |
| [**JPopupMenu**](http://docs.google.com/javax/swing/class-use/JPopupMenu.html#javax.swing.plaf.multi)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| [**JSplitPane**](http://docs.google.com/javax/swing/class-use/JSplitPane.html#javax.swing.plaf.multi)            JSplitPane is used to divide two (and only two) Components. |
| [**JTabbedPane**](http://docs.google.com/javax/swing/class-use/JTabbedPane.html#javax.swing.plaf.multi)            A component that lets the user switch between a group of components by clicking on a tab with a given title and/or icon. |
| [**JTree**](http://docs.google.com/javax/swing/class-use/JTree.html#javax.swing.plaf.multi)             A control that displays a set of hierarchical data as an outline. |
| [**LookAndFeel**](http://docs.google.com/javax/swing/class-use/LookAndFeel.html#javax.swing.plaf.multi)            LookAndFeel, as the name implies, encapsulates a look and feel. |
| [**Popup**](http://docs.google.com/javax/swing/class-use/Popup.html#javax.swing.plaf.multi)            Popups are used to display a Component to the user, typically on top of all the other Components in a particular containment hierarchy. |
| [**UIDefaults**](http://docs.google.com/javax/swing/class-use/UIDefaults.html#javax.swing.plaf.multi)            A table of defaults for Swing components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.plaf.synth](http://docs.google.com/javax/swing/plaf/synth/package-summary.html) | |
| --- | --- |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.plaf.synth)            A small fixed size picture, typically used to decorate components. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.plaf.synth)            The base class for all Swing components except top-level containers. |
| [**LookAndFeel**](http://docs.google.com/javax/swing/class-use/LookAndFeel.html#javax.swing.plaf.synth)            LookAndFeel, as the name implies, encapsulates a look and feel. |
| [**UIDefaults**](http://docs.google.com/javax/swing/class-use/UIDefaults.html#javax.swing.plaf.synth)            A table of defaults for Swing components. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) | |
| --- | --- |
| [**CellEditor**](http://docs.google.com/javax/swing/class-use/CellEditor.html#javax.swing.table)            This interface defines the methods any general editor should be able to implement. |
| [**DefaultRowSorter**](http://docs.google.com/javax/swing/class-use/DefaultRowSorter.html#javax.swing.table)            An implementation of RowSorter that provides sorting and filtering around a grid-based data model. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.table)            The base class for all Swing components except top-level containers. |
| [**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/class-use/JComponent.AccessibleJComponent.html#javax.swing.table)            Inner class of JComponent used to provide default support for accessibility. |
| [**JLabel**](http://docs.google.com/javax/swing/class-use/JLabel.html#javax.swing.table)            A display area for a short text string or an image, or both. |
| [**JTable**](http://docs.google.com/javax/swing/class-use/JTable.html#javax.swing.table)            The JTable is used to display and edit regular two-dimensional tables of cells. |
| [**ListSelectionModel**](http://docs.google.com/javax/swing/class-use/ListSelectionModel.html#javax.swing.table)            This interface represents the current state of the selection for any of the components that display a list of values with stable indices. |
| [**RowSorter**](http://docs.google.com/javax/swing/class-use/RowSorter.html#javax.swing.table)            RowSorter provides the basis for sorting and filtering. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.table)            A collection of constants generally used for positioning and orienting components on the screen. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) | |
| --- | --- |
| [**AbstractAction**](http://docs.google.com/javax/swing/class-use/AbstractAction.html#javax.swing.text)            This class provides default implementations for the JFC Action interface. |
| [**Action**](http://docs.google.com/javax/swing/class-use/Action.html#javax.swing.text)            The Action interface provides a useful extension to the ActionListener interface in cases where the same functionality may be accessed by several controls. |
| [**DropMode**](http://docs.google.com/javax/swing/class-use/DropMode.html#javax.swing.text)            Drop modes, used to determine the method by which a component tracks and indicates a drop location during drag and drop. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.text)            A small fixed size picture, typically used to decorate components. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.text)            The base class for all Swing components except top-level containers. |
| [**JComponent.AccessibleJComponent**](http://docs.google.com/javax/swing/class-use/JComponent.AccessibleJComponent.html#javax.swing.text)            Inner class of JComponent used to provide default support for accessibility. |
| [**JEditorPane**](http://docs.google.com/javax/swing/class-use/JEditorPane.html#javax.swing.text)            A text component to edit various kinds of content. |
| [**JFormattedTextField**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.html#javax.swing.text)            JFormattedTextField extends JTextField adding support for formatting arbitrary values, as well as retrieving a particular object once the user has edited the text. |
| [**JFormattedTextField.AbstractFormatter**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.AbstractFormatter.html#javax.swing.text)            Instances of AbstractFormatter are used by JFormattedTextField to handle the conversion both from an Object to a String, and back from a String to an Object. |
| [**JFormattedTextField.AbstractFormatterFactory**](http://docs.google.com/javax/swing/class-use/JFormattedTextField.AbstractFormatterFactory.html#javax.swing.text)            Instances of AbstractFormatterFactory are used by JFormattedTextField to obtain instances of AbstractFormatter which in turn are used to format values. |
| [**KeyStroke**](http://docs.google.com/javax/swing/class-use/KeyStroke.html#javax.swing.text)            A KeyStroke represents a key action on the keyboard, or equivalent input device. |
| [**Scrollable**](http://docs.google.com/javax/swing/class-use/Scrollable.html#javax.swing.text)            An interface that provides information to a scrolling container like JScrollPane. |
| [**SizeRequirements**](http://docs.google.com/javax/swing/class-use/SizeRequirements.html#javax.swing.text)            For the convenience of layout managers, calculates information about the size and position of components. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.text)            A collection of constants generally used for positioning and orienting components on the screen. |
| [**TransferHandler.DropLocation**](http://docs.google.com/javax/swing/class-use/TransferHandler.DropLocation.html#javax.swing.text)            Represents a location where dropped data should be inserted. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
| --- | --- |
| [**AbstractAction**](http://docs.google.com/javax/swing/class-use/AbstractAction.html#javax.swing.text.html)            This class provides default implementations for the JFC Action interface. |
| [**Action**](http://docs.google.com/javax/swing/class-use/Action.html#javax.swing.text.html)            The Action interface provides a useful extension to the ActionListener interface in cases where the same functionality may be accessed by several controls. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.text.html)            A small fixed size picture, typically used to decorate components. |
| [**JEditorPane**](http://docs.google.com/javax/swing/class-use/JEditorPane.html#javax.swing.text.html)            A text component to edit various kinds of content. |
| [**SizeRequirements**](http://docs.google.com/javax/swing/class-use/SizeRequirements.html#javax.swing.text.html)            For the convenience of layout managers, calculates information about the size and position of components. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.text.html)            A collection of constants generally used for positioning and orienting components on the screen. |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) used by [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
| --- | --- |
| [**CellEditor**](http://docs.google.com/javax/swing/class-use/CellEditor.html#javax.swing.tree)            This interface defines the methods any general editor should be able to implement. |
| [**DefaultListSelectionModel**](http://docs.google.com/javax/swing/class-use/DefaultListSelectionModel.html#javax.swing.tree)            Default data model for list selections. |
| [**Icon**](http://docs.google.com/javax/swing/class-use/Icon.html#javax.swing.tree)            A small fixed size picture, typically used to decorate components. |
| [**JComponent**](http://docs.google.com/javax/swing/class-use/JComponent.html#javax.swing.tree)            The base class for all Swing components except top-level containers. |
| [**JLabel**](http://docs.google.com/javax/swing/class-use/JLabel.html#javax.swing.tree)            A display area for a short text string or an image, or both. |
| [**JTextField**](http://docs.google.com/javax/swing/class-use/JTextField.html#javax.swing.tree)            JTextField is a lightweight component that allows the editing of a single line of text. |
| [**JTree**](http://docs.google.com/javax/swing/class-use/JTree.html#javax.swing.tree)             A control that displays a set of hierarchical data as an outline. |
| [**Scrollable**](http://docs.google.com/javax/swing/class-use/Scrollable.html#javax.swing.tree)            An interface that provides information to a scrolling container like JScrollPane. |
| [**SwingConstants**](http://docs.google.com/javax/swing/class-use/SwingConstants.html#javax.swing.tree)            A collection of constants generally used for positioning and orienting components on the screen. |
| [**Timer**](http://docs.google.com/javax/swing/class-use/Timer.html#javax.swing.tree)            Fires one or more ActionEvents at specified intervals. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).